

	Type	Hits	Search Text
1	BRS	71	("6,635,583" "6,624,064" "6573,030" "6,541397" "6,458,516" "6.423,384" "6,413,852" "6,386,947" "6,380106" "6,358,573" "6,333,255" "6,331,380" "6,323,119" "6,316,347" "6,291,334" "6,235,629" "6,214,730" "6,211065" "6165,890" "6,153,935" "6,151430" "6143,476" "6,140,226" "6,140,224" "6098,568" "6,097,870" "6,080,529" "6,066,577" "6,064,118" "6,057,226" "6,035,803" "6,030,901" "6024,044" "6,008,140" "5,999,293" "5,961,924" "5986,344" "5,949,934" "5,930,439" "5,904,491" "5,900,288" "5,881199" "5,866920" "5,858051" "5,789,320" "5770465" "5,759,913" "5,689,614" "5,567,476" "5465,860" "5,461,003" "5,378,256" "5,366,530" "5333229" "5263111" "5253,319" "5,165,004" "5,125,946" "4,972,799" "4,904,052" "4896,930" "4,856,859" "4,709,986" "4,619,680" "4,578.691" "4,578,097" "4,426,129" "4,425,146" "20030091938" "20020090794" "20020086547" "20020001778" "20010007788").pn.
2	BRS	3	(10/383839 10/800112 10/799146 10/766724)
3	BRS	2	(10/383839 10/800112 10/799146 10/768724)
4	BRS	0	S3 and (deposit\$4 same (amorph\$5 hardmask\$4 mask\$4) same core\$1) and (photoresist\$4 same hardmask mask\$4) and amorphous\$3
5	BRS	0	S3 and ((amorph\$5 hardmask\$4 mask\$4) same core\$1) and (photoresist\$4 same hardmask mask\$4) and amorphous\$3
6	BRS	2	S3 and (amorph\$5 hardmask\$4 mask\$4 photoresist\$4 morphou\$4)
7	BRS	11	(deposit\$4 same amorph\$5 same (hardmask\$4 mask\$4) same core\$1) and (photoresist\$4 same (hardmask mask\$4) same amorphous\$3)
8	BRS	154	(amorph\$5 near3 carbon\$3 near3 (hardmask\$3 mak\$4))

	DBs	Time Stamp
1	US-PGPUB; USPAT	2005/07/26 15:26
2	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 15:31
3	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 16:07
4	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 16:47
5	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 16:11
6	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 16:47
7	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:06
8	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 11:06

	Type	Hits	Search Text
9	BRS	0	S8 and S9
10	BRS	0	S7 and S9
11	BRS	3	S8 and carbon\$3
12	BRS	3	S8 not S12
13	BRS	8	S14 and (clad\$4 same core\$1) and ((etch\$3 remov\$4) same (amorph\$5 hardmask mak\$4))
14	BRS	2	S15 not S8
15	BRS	6	S7 and (clad\$4 same core\$1) and ((etch\$3 remov\$4) same (amorph\$5 hardmask mak\$4))
16	BRS	8	("20030041624" "6732550" "20040046963" "20030012483" "20030006140" "6311004" "6154582" "5032879").pn.
17	BRS	17	(deposit\$4 same amorph\$5 same (hardmask\$4 mask\$4) same core\$1) and (photoresist\$4 same (hardmask mask\$4 amorphous\$3))
18	BRS	8	S17 and S14 and (clad\$4 same core\$1) and ((etch\$3 remov\$4) same (amorph\$5 hardmask mak\$4))
19	BRS	8	S18 and substrat\$4
20	BRS	8	S18 and substrat\$4 and core\$1 and cladd\$4
21	BRS	8	S18 and substrat\$4 and core\$1 and cladd\$4 and deposit\$4
22	BRS	2	"20030041624"
23	BRS	1	S22 and (deposit\$5 form\$4) same (core\$1 clad\$4) same substr\$5 and amorph\$5
24	BRS	2	S22 and (etch\$4 remov\$4) near12 (mask\$3 amorph\$5)
25	BRS	2	S22 and (etch\$4 remov\$4) near12 (mask\$3 amorph\$5) same cor\$1
26	BRS	2	S22 and (etch\$4 remov\$4) near12 (mask\$3 amorph\$5 cor\$1)

	DBs	Time Stamp
9	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 16:55
10	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 16:56
11	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:00
12	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:00
13	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:19
14	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:08
15	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/12/14 20:33
16	US-PGPUB; USPAT	2005/07/26 18:18
17	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 13:01
18	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 10:32
19	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:27
20	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:28
21	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:44
22	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:44
23	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:59
24	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:53
25	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:55
26	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:58

	Type	Hits	Search Text
27	BRS	8	S17 and (etch\$4 remov\$4) near12 (mask\$3 amorph\$5 cor\$1)
28	BRS	8	S27 and (deposit\$5 form\$4) same (core\$1 clad\$4) same substr\$5 and amorph\$5
29	BRS	3	("20040046963" "20030041624" "6154582").pn.
30	BRS	3	S29 and (clad\$5 same (silicon dioxide sio\$1 thermal oxide\$1 boron phosphorous, po\$1 p)) and (core same (germanium doped silicon dioxide sio\$1 boron doped silicon dioxide silicon germanium p phosphorous doped silicon dioxide silicon oxynitride silicon nitride silicon and combinations channel\$1))
31	BRS	1	"20040046963"
32	BRS	3	S29 and (deposit\$4 same amorph\$5 same (hardmask\$4 mask\$4) same core\$1) and (photoresist\$4 same (hardmask mask\$4 amorphous\$3))
33	BRS	1	S31 and (deposit\$4 same amorph\$5 same (hardmask\$4 mask\$4) same core\$1) and (photoresist\$4 same (hardmask mask\$4 amorphous\$3))
34	BRS	1	S31 and (clad\$4 same core\$1) and ((etch\$3 remov\$4) same (amorph\$5 hardmask mak\$4))
35	BRS	0	S34 and (deposit\$5 near12 core\$4 same clad\$4 same substrat\$3)
36	BRS	1	S34 and (core\$4 same clad\$4 same substrat\$3)
37	BRS	154	(amorph\$5 near3 carbon\$3 near3 (hardmask\$3 mak\$4))
38	BRS	51	S37 and (amorph\$5 near7 sili\$5)
39	BRS	27	S38 and (amorph\$5 near3 carbon\$3 near3 silic\$5)
40	BRS	5	S38 and (amorph\$5 near3 carbon\$3 near3 silic\$5) same hardmask
41	BRS	1	S38 and (wavegui\$4 cladd\$4)
42	BRS	5	S37 and (wavegui\$4 cladd\$4)

	DBs	Time Stamp
27	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:58
28	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/12/14 20:34
29	US-PGPUB; USPAT	2005/07/27 10:17
30	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 12:00
31	US-PGPUB; USPAT	2005/07/27 10:31
32	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 10:32
33	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 10:32
34	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 10:33
35	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 10:34
36	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/12/14 20:30
37	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 15:35
38	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 11:06
39	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 11:07
40	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 11:10
41	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/12/14 20:30
42	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 15:34

	Type	Hits	Search Text
43	BRS	100300	((etch\$4 remov\$4) near5 (hardmask\$3 mak\$4))
44	BRS	54	S37 and S43
45	BRS	0	S44 and (optical\$4 near7 (fiber\$1 wavegui\$4 cladd\$4))
46	BRS	0	S44 and (optical\$4 near7 (fibre\$1 fiber\$1 wavegui\$4 cladd\$4))
47	BRS	0	S44 and (optical\$4 same (fibre\$1 fiber\$1 wavegui\$4 cladd\$4))
48	BRS	2	S44 and ((fibre\$1 fiber\$1 wavegui\$4 cladd\$4))
49	BRS	1	S31 and S30
50	BRS	1	S31 and (refrac\$5 index\$3 indic\$3) same (core\$1 clad\$4)
51	BRS	1	S31 and (refrac\$5 index\$3 indic\$3) same (core\$1 near12 clad\$4)
52	BRS	1	S31 and (clad\$4 near12 (undoped silic\$4 dioxide thermal oxid\$3 silicon dioxide doped boron\$3 phosphor\$4 material\$4 p sio\$3 glass\$2))
53	BRS	1	S31 and (clad\$4 near16 (dop\$4 undop\$4 silic\$4 dioxide thermal oxid\$3 silicon dioxide doped boron\$2 phosphor\$4 material\$4 p sio\$3 glass\$2))
54	BRS	1	S31 and (core\$1 near16 (gr\$4 sio\$2 glass germanium dop\$3 silic\$3 dioxide\$1 germanium boron doped silicon dioxide silicon germanium compositions phosphorous silicon dioxide silicon oxynitride nitride\$1))
55	BRS	1	S31 and (deposit\$4 photoresis\$5 sacrifi\$5 ) same (core\$1 amorph\$5 hardmask\$4 mask\$4 core\$1)
56	BRS	1	S31 and (deposit\$4 photoresis\$5 sacrifi\$5 ) same (core\$1 amorph\$5 hardmask\$4 mask\$4 core\$1 layer\$11 material\$1)
57	BRS	76	S37 and ((hydr\$4 near2 carbon\$4) hydrocarbon\$4)

	<b>DBs</b>	<b>Time Stamp</b>
43	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 15:37
44	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 11:17
45	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 11:18
46	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 11:18
47	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 11:19
48	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 11:19
49	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 12:01
50	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 12:02
51	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 12:11
52	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 12:17
53	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 12:25
54	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 12:27
55	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 13:03
56	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 13:03
57	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 13:35



	Type	Hits	Search Text
58	BRS	19	S37 same ((hydr\$4 near2 carbon\$4) hydrocarbon\$4)
59	BRS	11	S58 and (hardmask (had near3 mask\$4))
60	BRS	1	S31 and (plasm\$3 hyrog\$4 oxigen\$4)
61	BRS	1	S31 and (plasm\$3 hydrog\$4 oxigen\$4)
62	BRS	0	S31 and (plasm\$3 same (gas\$5 hydrog\$4 oxigen\$4))
63	BRS	21	S37 and (plasm\$3 same (gas\$5 near7 (hydrog\$4 oxigen\$4)))
64	BRS	13	S37 and (plasm\$3 near7 (gas\$5 near7 (hydrog\$4 oxigen\$4)))
65	BRS	6	S64 and (hardmask (had near3 mask\$4))
66	BRS	1	S65 and (waveg\$5 fiber\$1 fibre\$1)
67	BRS	1	S42 and (hardmask\$3 hard near4 mask\$3)
68	BRS	83	(amorph\$5 near3 carbon\$3 near3 (hardmask\$3 hard near4 mask\$3))
69	BRS	82	(amorph\$5 near1 carbon\$3 near3 (hardmask\$3 (hard near4 mask\$3)))
70	BRS	45	S43 and S69
71	BRS	36	S70 and photoresist\$4
72	BRS	36	S71 and layer\$1
73	BRS	20	S72 and optical
74	BRS	1	"20040046963"
75	BRS	1	S74 and (clad\$4 same core\$1) and ((etch\$3 remov\$4) same (amorph\$5 hardmask mak\$4))
76	BRS	1	S75 and (core\$4 same clad\$4 same substrat\$3)
77	BRS	175	(amorph\$5 near3 carbon\$3 near3 (hardmask\$3 mak\$4))
78	BRS	61	S77 and (amorph\$5 near7 sili\$5)

	<b>DBs</b>	<b>Time Stamp</b>
58	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 14:03
59	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 14:12
60	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 14:09
61	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 14:10
62	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 14:11
63	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 14:12
64	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 14:12
65	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 14:13
66	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 14:13
67	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 15:35
68	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 15:36
69	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 15:36
70	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 15:37
71	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/12/19 13:23
72	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 15:38
73	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 15:38
74	US-PGPUB; USPAT	2005/12/14 20:30
75	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/12/14 20:30
76	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/12/14 20:30
77	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/12/14 20:30
78	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/12/14 20:32

	Type	Hits	Search Text
79	BRS	16	(deposit\$4 same amorph\$5 same (hardmask\$4 mask\$4) same core\$1) and (photoresist\$4 same (hardmask mask\$4) same amorphous\$3)
80	BRS	10	S80 and (clad\$4 same core\$1) and ((etch\$3 remov\$4) same (amorph\$5 hardmask mak\$4))
81	BRS	8	("20030041624" "6732550" "20040046963" "20030012483" "20030006140" "6311004" "6154582" "5032879").pn.
82	BRS	8	S82 and (etch\$4 remov\$4) near12 (mask\$3 amorph\$5 cor\$1)
83	BRS	1	S78 and (wavegui\$4 cladd\$4)
84	BRS	8	S83 and (deposit\$5 form\$4) same (core\$1 clad\$4) same substr\$5 and amorph\$5
85	BRS	1	"20040046963"
86	BRS	1	S85 and cor\$2 near7 layer\$2
87	BRS	1	S85 and (etch\$4 same (cor\$2 near7 layer\$2))
88	BRS	1	"20050112883"
89	BRS	2	S85 S88
90	BRS	2	S90 and (mask\$5 same etch\$4)

	<b>DBs</b>	<b>Time Stamp</b>
79	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/12/14 20:33
80	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/12/14 20:33
81	US-PGPUB; USPAT	2005/12/14 20:34
82	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/12/14 20:34
83	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/12/14 20:35
84	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/12/14 20:35
85	US-PGPUB; USPAT	2005/12/14 20:36
86	US-PGPUB; USPAT	2005/12/14 20:37
87	US-PGPUB; USPAT	2005/12/14 20:43
88	US-PGPUB; USPAT	2005/12/14 20:43
89	US-PGPUB; USPAT	2005/12/14 20:44
90	US-PGPUB; USPAT	2005/12/14 20:44

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	104233	((etch\$4 remov\$4) near5 (hardmask\$3 mak\$4))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/12/19 13:23
2	BRS	L2	106	(amorph\$5 near1 carbon\$3 near3 (hardmask\$3 (hard near4 mask\$3)))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/12/19 13:23
3	BRS	L3	62	L1 and L2	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/12/19 13:23
4	BRS	L4	53	L3 and photoresist\$4	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/12/19 13:23

	Comments	Error Definition
1		
2		
3		
4		